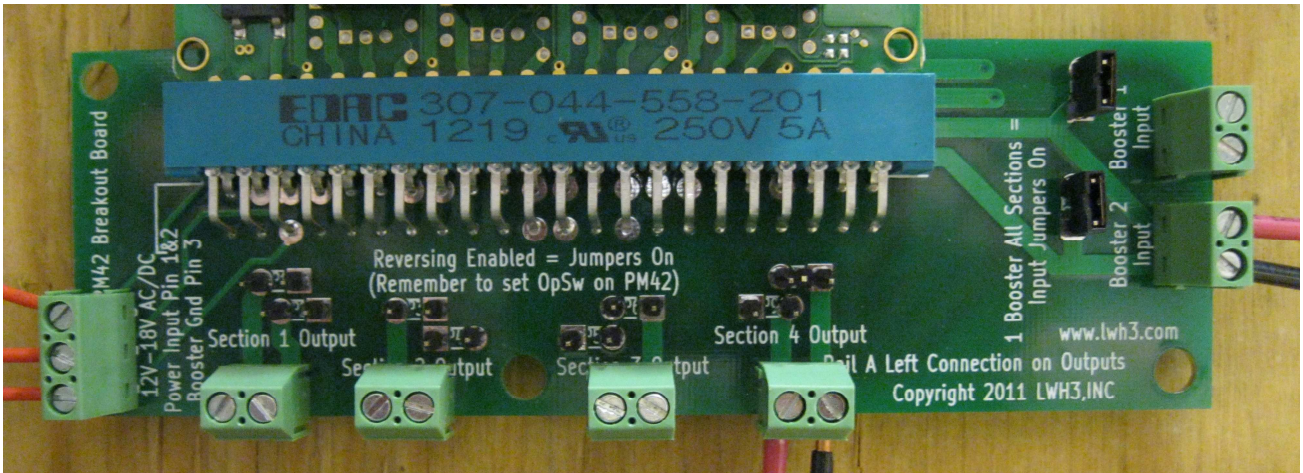


PM42 Breakout Board Installation Instructions



The breakout board eliminates soldering connections to the card edge or card edge adapter of a PM42 circuit breaker/reverser board.

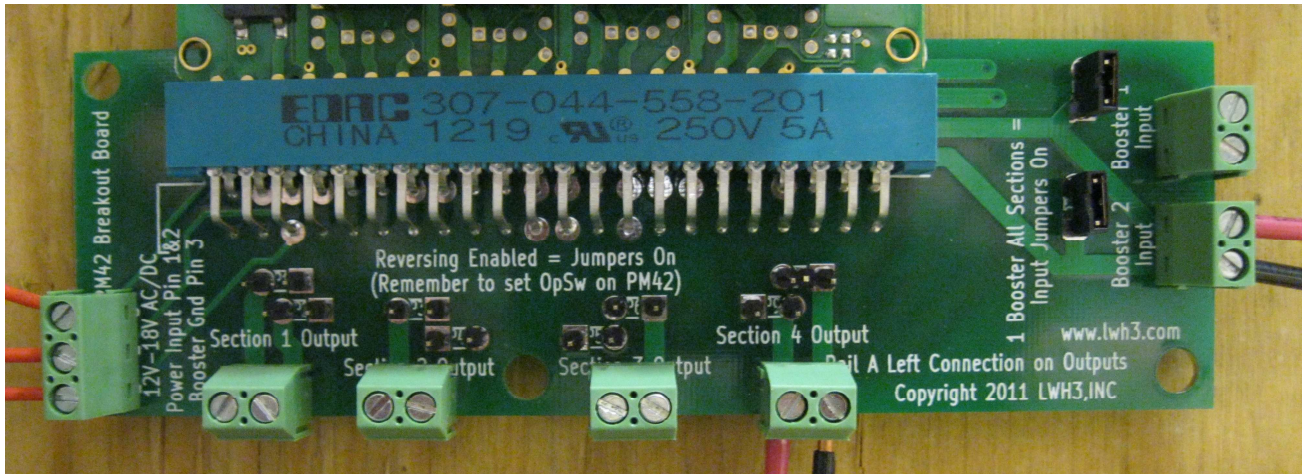
Making Connections:

Strip approximately .125" (1/8 inch) off your wire. Either solid or stranded wire can be used, from 12 AWG to 26 AWG. Insert the bare portion of the wire into the terminal block and tighten the screw to make a solid connection.

Do not over-tighten, as the terminal blocks can be stripped or broken with too much force.

The instructions on the next page describe the board and connections as if the large connector for the PM42 is at the top; matching the orientation of the picture above.

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"Innovative Electronics for the Model Railroader"
Chesterfield, VA 23832
www.lwh3.com



Inputs:

The inputs from your command station or booster connect at right, facing outboard from this position. The PM42 Breakout board can accept Inputs from up to 2 different boosters. The Rail A wire should be placed into the top spot on the input connector. (Red Wire in above photo)

If you have only 1 booster or command station, either input can be used if the jumpers are connected. This ties all sections together to use input from a single booster or command station.

If you have 2 boosters in use, remove the jumpers and connect each booster to a single input. With the jumpers **not** connected, Input 1 (at top right) connects to Sections 1 and 2; input 2 connects to Sections 3 and 4.

Outputs:

At the bottom edge of the board facing you are the 4 outputs. The outputs start with Sections 1 at left to Section 4 at right. Each Output is labeled on the board (please note picture) Please note that **Rail A** is the left side connection on each output (Red Wire in the photo).

The jumpers for each output should only be connected when you want that particular section to be wired as a reversing section. For normal circuit breaker operation, leave the jumpers unconnected.

Power:

12V to 18V AC or DC is connected to the board via the bottom left block on connections 1 & 2. These are the bottom two connections on this 3 wire block as the board is held to match the picture above.

Command Station/Booster Ground:

This common ground connection is used so that the Digitrax system has a common reference point to be shared among the network.

Connect this wire to connection 3; the top empty connection on the 3 position block at lower left.

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